STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD

PROPOSED STATE STANDARD,
TITLE 8, DIVISION 1, CHAPTER 4

Construction Safety Orders, Article 2. Definitions

Amend Section 1504 to read as follows:

§1504. Definitions.

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Lumber.
(A) Douglas Fir or Equivalent. "Selected lumber" or other suitable material of proper size, having strength at least equal to the specified Douglas fir members.
(B) "Selected Lumber". Douglas fir that has been graded under standards as high as those followed by the West Coast Lumber Inspection Bureau or by the Western Wood Products Association as suitable for a bending stress of 1,500 psi.
(C) "Structural Plank."
1. Douglas fir graded for scaffold plank use and which has an allowable bending stress of at least 2,200 pounds per square inch (psi). Select structural scaffold plank, as described in Paragraph 171-b of the January 1, 2000 Standard Grading Rules No. 17, published by the West Coast Lumber Inspection Bureau and Scaffold No. 2 as described in Paragraph 58.12 of the 1998 Edition of the Western Lumber Grading Rules published by the Western Wood Products Association, satisfy this definition.
2. Southern Pine graded for scaffold plank use that meets the Standard Grading Rules for Southern Pine, effective July 1, 2002, Section 501 for Dense Industrial 72 Scaffold Plank and Section 502 for Dense Industrial 65 Scaffold Plank.
3. Other solid sawn wood planking graded as scaffold plank that meets the scaffold plank grading rules of an agency approved by the American Lumber Standards Committee for the species of wood used.
(D) Size: Unless otherwise stated, the lumber sizes referred to in these Orders mean nominal sizes and thus include both the rough and dressed members of those nominal sizes.

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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Construction Safety Orders, Article 21. Scaffolds – General Requirements

Amend Section 1637 to read as follows:

§1637. General Requirements.

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(f) This subsection provides minimum labeling, design and construction requirements for scaffold planking, such as solid sawn planks, manufactured platforms of wood (including laminated planks), metal planking, and planking manufactured from other materials.
(1) Except as specified in other Orders, all solid sawn planking shall be at least equivalent to 2-inch x 10-inch (nominal) lumber selected for scaffold grade plank as defined in Section 1504, Lumber -- "Structural Plank."
(2)(A) The maximum permissible spans for Douglas Fir and Southern Pine planking for 2 x 10-inch (nominal) or 2 x 9-inch (rough) planks shall be as shown in the following Table:

Working (Live) Load (psf)	25	50	75
Permissible Span (ft.)	10	8	7

(B) The maximum permissible spans allowed for other wood species of scaffold planking shall not exceed 10 feet and shall be determined by a licensed professional engineer.
~~(3) Manufactured planks with spans in excess of 10 feet shall be labeled to indicate the maximum safe working load based on a safety factor of four.~~
(3)(A) All manufactured scaffold planking including, but not limited to, engineered wood products, laminated veneer lumber, metal, composite, plastic, or any other manufactured planks shall be capable of supporting, without failure, its own weight and 4 times the maximum intended working (live) load.
(B) Manufactured planks with spans in excess of 10 feet shall be labeled to indicate the maximum intended working (live) load.
(C) Manufactured scaffold planks shall be used in accordance with the manufacturer's specifications.
(4) ~~All planks shall be capable of safely sustaining the intended load.~~ Prior to being placed in service, all laminated veneer lumber scaffold planks, manufactured after [OAL to insert the effective date], shall be labeled with the seal of an independent, nationally recognized, inspection agency approved by the International Accreditation Services (IAS) certifying compliance with ASTM D 5456-09a and ANSI/ASSE A10.8-2001, Section 5.2.10.
NOTE: ASTM D 5456-09a is the standard for the evaluation of structural composite lumber products. ANSI/ASSE A10.8-2001, Section 5.2.10. requires the inspection agency to certify that

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laminated veneer lumber scaffold planks are compliant with the design criteria in the ANSI/ASSE A10.8 standard.
(5) Prior to being placed into service, all solid sawn wood scaffold planks shall be certified by, or bear the grade stamp of, a grading agency approved by the American Lumber Standards Committee.
(6) All scaffold planks shall be visually inspected for defects before use each day.
(7) Defective or damaged scaffold planks shall not be used and shall be removed from service.

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(v) Wood platforms shall not be covered with opaque finishes, except that platform edges may be covered or marked for identification. Platforms may be coated periodically with wood preservatives, fire-retardant finishes, and slip-resistant finishes; however, the coating may not obscure the top or bottom wood surfaces.
(w) Platforms, including, but not limited to, those consisting of solid sawn wood planks, engineered wood products, laminated veneer lumber, metal, composite, plastic, or any other manufactured planks, shall not deflect more than 1/60 of the span when loaded to the manufacturer's recommended maximum load.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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Construction Safety Orders, Appendix C

Delete Plate C-17 in its entirety:

~~PLATE C-17~~
~~SUGGESTED TEST FOR SCAFFOLD PLANKS~~

~~To test scaffold planks a simple impact loading method is as follows:~~

~~1. Select a span from the following table that is convenient for the length and size of plank to be tested. Obtain two (2) blocks about two feet (2 ') long and of a thickness (given in table) that corresponds to the span and plank size. Set blocks and plank on a flat surface as illustrated, so that clearance between surface and plank is uniform.~~

~~2. Have men (two should be enough) spring on the board, standing close together at mid-span, until it deflects to the surface below several times. Do not apply a load so large that the plank is held against the floor. It should touch the floor only for an instant during springing.~~

~~3. Listen for cracking and look for splitting.~~

~~4. If no cracking or splitting is noted, turn the plank over and repeat the test. If it cracks or splits, reject it.~~

~~5. In case of faint cracking sound (caused by stretching of fibers near allowable knots), repeat test, and accept plank if no further cracking sounds are heard.~~

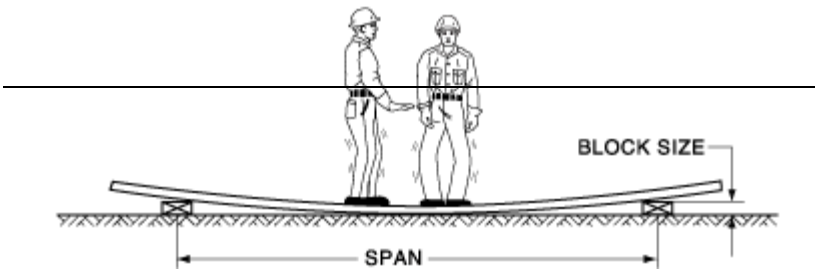
~~Table of Block Sizes for Various Spans~~

~~Plank span, feet~~	~~Plank size, * inches~~	~~Block size, inches~~
~~8~~	~~2 x 10 or 2 x 12~~	~~2 1/2~~
~~10~~	~~2 x 10 or 2 x 12~~	~~3 1/2~~
~~12~~	~~2 x 12~~	~~5-1/2 *~~

~~* All planks must comply with safety orders in regard to grade, size, condition, etc.~~

~~The main advantage of this system, in addition to simplicity, is that it will show up wood that is brash or contains compression failures, while not damaging good planks.~~

~~SUGGESTED TEST FOR SCAFFOLD PLANKS~~



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General Industry Safety Orders, Article 23. Mobile Ladder Stands and Scaffolds (Towers)

Amend Section 3622 to read as follows:

§3622. General.

(a) "All scaffolds shall be erected in accordance with the provisions of Article 21 of the Construction Safety Orders."

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(f) Work Levels.

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(5) The work level platform of scaffolds (towers) shall be ~~made of wood, aluminum, or plywood planking, steel or expanded metal, for~~ the full width of the scaffold, except for necessary openings. Work platforms shall be secured in place. All scaffold platforms ~~planking~~ shall meet the requirements of the Construction Safety Orders, Section 1637.
~~be two-inch (nominal) Douglas Fir suitable for scaffold planks, or equivalent. Minimum allowable bending stress shall be 2,200 psi.~~
~~NOTE: Select structural scaffold plank, as described in Paragraph 171-b of the January 1, 2000 Standard Grading Rules No. 17, published by the West Coast Lumber Inspection Bureau and Scaffold No. 2 as described in Paragraph 58.12 of the 1998 Edition of the Western Lumber Grading Rules published by the Western Wood Products Association, satisfy this requirement.~~

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.